Author Index of Volume 208

Abram, U., 195
Aguirre, C. J., 31
Aida, T., 107
Albinati, A., 119
Asali, K. J., 1

Baumgartner, M., 135
Borade, R. B., 23
Bott, S. G., 1
Brewer, K. J., 179
Briard, P., 5
Bridgewater, J. S., 179
Brunette, J.-P., 5
Bruno, G., 59, 67
Burton, R. D., 103

Casabó, J., 167
Castro, M. M. C. A., 123
Caubet, A., 167
Champness, N. R., 189
Chen, D.-H., 99
Chiang, H.-C., 99
Clearfield, A., 23
Colacio, E., 111
Colton, R., 173

Dakternieks, D., 173
De Munno, G., 67
Dobson, G. R., 1
Dominguez-Vera, J. M., 111
Dubler, E., 135

El Amiri, A., 5

Fuchita, Y., 43

Geraldes, C. F. G. C., 123
Gimeno, M. C., 31
Giordano, G., 67
Graciani, M. d. M., 213
Grandjean, D., 5
Guthrie-Strachan, J., 239

Haasnoot, J. G., 37, 49
Hadjiliadis, N., 91
Hage, R., 49
Harada, Y., 43
Hiller, W., 195
Hübener, R., 195

Inaba, S., 9

Johnson, J. E. B., 231

Kamada, H., 9
Kohzuma, T., 107
Kritzenberger, J., 77
Kuroda, T., 243

Labarta, A., 167
Laguna, A., 31
Laguna, M., 31
Landgrafe, C., 145
Lanza, S., 59
Levason, W., 189
Lianza, F., 119
Lippert, B., 219
Liu, Q., 85
Longato, B., 17
López de Luzuriaga, J. M., 31
Lorenz, B., 195
Lo Schiavo, S., 67
Lotz, S., 207
Lucia, L. A., 103

Maekawa, M., 243
Matsubayashi, G., 95
Matt, D., 5
Molnar, S. M., 179
Moreno, J. M., 111
Mosca, S., 153
Moyá, M. L., 213
Muller, B., 119
Müller, E., 37
Munakata, M., 243
Mutikainen, I., 219

Nagai, T., 201
Nicolaou, A., 91
Nicolo', F., 59
Nozaka, Y., 243
Nyokong, T., 239

Ogoshi, H., 9
Ohki, K., 107

Peters, J. A., 123
Pilloni, G., 17
Pilo, M. I., 153
Piraino, P., 67
Pons, J., 167
Poojary, D. M., 23
Pregosin, P. S., 119
Puente, F., 31

Range, K.-J., 77
Reedijk, J., 37
Renn, O., 219
Rodgríguez, A., 213
Rosace, G., 59
Rotondo, E., 67
Ruiz, J., 111
Ruminski, R. R., 231
Ryan, E. M., 49

Sánchez, F., 213
Sánchez, F. J., 167
Sanna, G., 153
Schanze, K. S., 103
Schindehutte, M., 207
Schmalle, H., 135
Schmidt, K., 195
Scolaro, L. M., 59
Seeber, R., 153
Sergi, S., 59
Sheldrick, W. S., 145
Shidara, S., 107
Singer, H., 159
Steinfeldt, W., 159
Sutter-Beydoun, N., 5
Suzuki, K., 225
Suzuki, S., 107

Teixidor, F., 167
Theodorou, V., 91
Toi, H., 9
Tresoldi, G., 67

Ueng, C.-H., 99

van Koningsbruggen, P. J., 37
Van Rooyen, P. H., 207
Vogler, L. M., 179
Vos, J. G., 49

Wang, R., 49
Webster, M., 189
Wiedenhöft, V., 159
Wu, D., 85

Yamamoto, H., 225
Yang, Y., 85
Yersin, H., 77
Yokozawa, A., 95
Yoshimura, T., 9

Zabel, M., 77
Zoroddu, M. A., 153

Subject Index of Volume 208

Alkenone complexes
formation of β-carbonylmethylpalladium(II) complexes and alkenones directly from ketones via C–H bond activation by the palladium(II) acetate–dialkyl sulfide system, 43
Alkylcarbonyl complexes
formation of β-carbonylmethylpalladium(II) complexes and alkenones directly from ketones via C–H bond activation by the palladium(II) acetate–dialkyl sulfide system, 43
Alkyl complexes
metal to ligand charge transfer photochemistry of Re(I)–alkyl complexes, 103
synthesis and characterization of $MCl(CH_2COY)(PPh_3)_2$ (M = Pd, Pt; Y = C_6H_5, CH_3, CH_2Cl), 225
Allyl complexes
crystal structure of $[Pd(\eta^3\text{-2-propenyl})(dps)][Pd(\eta^3\text{-2-propenyl})Cl_2]$. NMR evidence of binuclear η^3-allyl palladium(II) species with bridging dps, 67
Amide complexes
facile platinum(II) promoted amide deprotonation and subsequent cyclization. Comments on a possible L_mPt---H–NH(CO)R agostic moiety, 119
Amide compounds
a convenient synthesis of carbamoylmethylphosphines. X-ray structure of (diphenylphosphino)-*N*,*N*-diphenylacetamide, 5
Amine complexes
properties of electronic spectra of antitumor-active dichlorobis(cycloalkylamine)platinum(II) compounds, 77
Ammine complexes
role of ionic strength in the binuclear complex formation between aquopentacyanoferrate(II) and tetraammine-pyrazinecarboxylatocobalt(III) ions, 213
Arene complexes
di- and trinuclear (η^6-arene)ruthenium(II) complexes containing bridging heterocyclic thioamides, 145
π-arene complexes
IX. Crystal structure of a novel benzoyl bridged hetero-bimetallic complex, [*cis*-$(CO)_4\{(MeO)_3P\}Mn\{\mu\text{-}\eta^1\text{:}\eta^6\text{-}C_6H_5C(O)\}Cr(CO)_3$] , 207

Bidentate amine ligand complexes
electrochemical and spectroelectrochemical study of copper complexes with 1,10-phenanthrolines, 153
synthesis and characterization of bipyridylruthenium(II) complexes bound to the bridging ligand dipyrido(2,3-*a*;2′,3′-*h*)phenazine (dpop), 231
Bidentate ligand complexes
mixed bridged, dinuclear copper(II) complexes with dinucleating, pyrazole derived ligands, 167
structure of a trinuclear nickel(II) complex bridged by 3,5-dimethylpyrazolate (3,5-Me_2pz), $[Ni_3(3,5\text{-}Me_2pz)_4(acac)_2]$, 243
Bidentate phosphorus ligand complexes
heteropolymetallic complexes of 1,1′-bis(diphenylphosphino)ferrocene, dppf
IX. Electrochemical oxidation of the dicopper(I) complex cation $[(\mu\text{-dppf})(Cu(dppf))_2]^{2+}$. A multi-electron redox system, 17
Bidentate sulfur ligand complexes
platinum(II) complexes of *N*,*N*′-di-^{n}butyldithiooxamide showing a peculiar $^+N\text{–}H\cdots Cl^-$ interaction. The crystal and molecular structure of bis-di-^{n}butyldithiooxamidato-platinum(II), 59
synthesis and structure of dithiagermocane containing a spiro eight-membered ring, 99
Binuclear complexes
crystal structure of $[Pd(\eta^3\text{-2-propenyl})(dps)][Pd(\eta^3\text{-2-propenyl})Cl_2]$. NMR evidence of binuclear η^3-allyl palladium(II) species with bridging dps, 67

Carbonyl complexes
intramolecular –C–H···O– hydrogen bonding in Group 6 metal carbonyl complexes, 1
Catalysis
the oligomerisation of 3-hydroxy-1-alkynes with palladium(II) diketonates and phosphorus ligands as the catalytic system , 159
Chelate complexes
heteropolymetallic complexes of 1,1′-bis(diphenylphosphino)ferrocene, dppf
IX. Electrochemical oxidation of the dicopper(I) complex cation $[(\mu\text{-dppf})(Cu(dppf))_2]^{2+}$. A multi-electron redox system, 17
platinum(II) complexes of *N*,*N*′-di-^{n}butyldithiooxamide showing a peculiar $^+N\text{–}H\cdots Cl^-$ interaction. The crystal and molecular structure of bis-di-^{n}butyldithiooxamidato-platinum(II), 59
synthesis and structure of dithiagermocane containing a spiro eight-membered ring, 99
electrochemical and spectroelectrochemical study of copper complexes with 1,10-phenanthrolines, 153
Chromium complexes
π-arene complexes
IX. Crystal structure of a novel benzoyl bridged hetero-bimetallic complex, [*cis*-$(CO)_4\{(MeO)_3P\}Mn\{\mu\text{-}\eta^1\text{:}\eta^6\text{-}C_6H_5C(O)\}Cr(CO)_3$], 207
Cluster complexes
the first triangular $V_3S_7^{2+}$ complex. Synthesis and structure of $(Et_4N)[V_3S_7(Me_2dtc)_3]\cdot CH_3CN$, 85
Cobalt complexes
role of ionic strength in the binuclear complex formation between aquopentacyanoferrate(II) and tetraammine-pyrazinecarboxylatocobalt(III) ions, 213
Copper complexes
heteropolymetallic complexes of 1,1′-bis(diphenylphosphino)ferrocene, dppf
IX. Electrochemical oxidation of the dicopper(I) complex cation $[(\mu\text{-dppf})(Cu(dppf))_2]^{2+}$. A multi-electron redox system, 17
a novel tetranuclear copper(II) cluster containing twisted hydrazide bridges. X-ray crystal structure and magnetic properties of tetrakis[*N*,*N*′-imidopicolinyloxamylhydrazine)copper(II)] tetranitrate octahydrate, 37

spectroscopic and magnetic properties, and crystal structure of a dimer copper(II) complex via hydrogen bonding with a weak ferromagnetic interaction, 111
structural and spectroscopic features of the 'adamantane' type Cu_4S_6 core found in Cu(I) thiolates with bidentate chelate ligands, 135
electrochemical and spectroelectrochemical study of copper complexes with 1,10-phenanthrolines, 153
mixed bridged, dinuclear copper(II) complexes with dinucleating, pyrazole derived ligands, 167

Crystal structures
intramolecular –C–H···O– hydrogen bonding in Group 6 metal carbonyl complexes, 1
a convenient synthesis of carbamoylmethylphosphines. X-ray structure of (diphenylphosphino)-*N*,*N*-diphenylacetamide, 5
structural characterization of silicon orthophosphate, 23
a novel tetranuclear copper(II) cluster containing twisted hydrazide bridges. X-ray crystal structure and magnetic properties of tetrakis[*N*,*N'*-imidopicolinyloxamylhydrazine)copper(II)] tetranitrate octahydrate, 37
platinum(II) complexes of *N*,*N'*-di-^{n}butyldithiooxamide showing a peculiar $^+$N–H···Cl$^-$ interaction. The crystal and molecular structure of bis-di-^{n}butyldithiooxamidato-platinum(II), 59
crystal structure of [Pd(η^3-2-propenyl)(dps)][Pd(η^3-2-propenyl)Cl_2]. NMR evidence of binuclear η^3-allyl palladium(II) species with bridging dps, 67
the first triangular $V_3S_7^{2+}$ complex. Synthesis and structure of $(Et_4N)[V_3S_7(Me_2dtc)_3]\cdot CH_3CN$, 85
synthesis and structure of dithiagermocane containing a spiro eight-membered ring, 99
spectroscopic and magnetic properties, and crystal structure of a dimer copper(II) complex via hydrogen bonding with a weak ferromagnetic interaction, 111
facile platinum(II) promoted amide deprotonation and subsequent cyclization. Comments on a possible L_mPt---H–NH(CO)R agostic moiety, 119
structural and spectroscopic features of the 'adamantane' type Cu_4S_6 core found in Cu(I) thiolates with bidentate chelate ligands, 135
di- and trinuclear (η^6-arene)ruthenium(II) complexes containing bridging heterocyclic thioamides, 145
ruthenium(II) and (III) complexes of triphenylstibine: a reinvestigation and the X-ray structure of *trans*-$RuCl_2(SbPh_3)_4$, 189
the reaction of $TcCl_3(Me_2PhP)_3$ with dithio ligands. Synthesis, characterization and X-ray crystal structures of $[TcCl_2(Me_2PhP)_2(Me_2dtp)]$ and $[Tc(Me_2PhP)(Etxan)_3]$ (Me_2PhP = dimethylphenylphosphine, Me_2dtp^- = *O*,*O'*-dimethyldithiophosphate, $Etxan^-$ = ethylxanthate), 195
π-arene complexes
IX. Crystal structure of a novel benzoyl bridged heterobimetallic complex, [*cis*-$(CO)_4${$(MeO)_3P$}Mn{μ-η^1:η^6-$C_6H_5C(O)$}$Cr(CO)_3$], 207
a mixed Pt_2Tl complex of 1-methylthymine: structural evidence for the stereoactivity of the Tl^I electron lone pair and unexpected intracomplex nucleobase stacking, 219
structure of a trinuclear nickel(II) complex bridged by 3,5-dimethylpyrazolate (3,5-Me_2pz), $[Ni_3(3,5\text{-}Me_2pz)_4(acac)_2]$, 243

Cyanide complexes
role of ionic strength in the binuclear complex formation between aquopentacyanoferrate(II) and tetraammine-pyrazinecarboxylatocobalt(III) ions, 213
kinetics of the reaction of cyanide with ruthenium phthalocyanine complexes, 239

Diastereisomer complexes
effect of hydrophobic and hydrophilic interactions on the stability of diastereoisomers of Δ- and Λ-[Ru(*S*-am)$(bpy)_2]^+$ complexes (am = Ala, Phg, Leu, Phe or Tyr ligand) in aqueous solutions, 201

Diketonate complexes
the oligomerisation of 3-hydroxy-1-alkynes with palladium(II) diketonates and phosphorus ligands as the catalytic system, 159

Dimer complexes
spectroscopic and magnetic properties, and crystal structure of a dimer copper(II) complex via hydrogen bonding with a weak ferromagnetic interaction, 111

Dinuclear complexes
heteropolymetallic complexes of 1,1'-bis(diphenylphosphino)ferrocene, dppf
IX. Electrochemical oxidation of the dicopper(I) complex cation $[(\mu\text{-dppf})(Cu(dppf))_2]^{2+}$. A multi-electron redox system, 17
mixed bridged, dinuclear copper(II) complexes with dinucleating, pyrazole derived ligands, 167
π-arene complexes
IX. Crystal structure of a novel benzoyl bridged heterobimetallic complex, [*cis*-$(CO)_4${$(MeO)_3P$}Mn{μ-η^1:η^6-$C_6H_5C(O)$}$Cr(CO)_3$], 207

Dithio ligand complexes
the reaction of $TcCl_3(Me_2PhP)_3$ with dithio ligands. Synthesis, characterization and X-ray crystal structures of $[TcCl_2(Me_2PhP)_2(Me_2dtp)]$ and $[Tc(Me_2PhP)(Etxan)_3]$ (Me_2PhP = dimethylphenylphosphine, Me_2dtp^- = *O*,*O'*-dimethyldithiophosphate, $Etxan^-$ = ethylxanthate), 195

Electrochemistry
heteropolymetallic complexes of 1,1'-bis(diphenylphosphino)ferrocene, dppf
IX. Electrochemical oxidation of the dicopper(I) complex cation $[(\mu\text{-dppf})(Cu(dppf))_2]^{2+}$. A multi-electron redox system, 17
electrochemical and spectroelectrochemical study of copper complexes with 1,10-phenanthrolines, 153
tuning the spectroscopic and electrochemical properties of polypyridyl bridged mixed-metal trimetallic ruthenium(II), iridium(III) complexes: a spectroelectrochemical study, 179

Electronic structure
properties of electronic spectra of antitumor-active dichlorobis(cycloalkylamine)platinum(II) compounds, 77

Germanium complexes
synthesis and structure of dithiagermocane containing a spiro eight-membered ring, 99

Gold complexes
ylide–gold(I) complexes of the types $[Au(ylide)L]^+$, [Au(ylide)(C≡CR)] and [Au(ylide){$Co(CO)_4$}], 31

Heterocyclic ligand complexes
di- and trinuclear (η^6-arene)ruthenium(II) complexes containing bridging heterocyclic thioamides, 145
synthesis and characterization of bipyridylruthenium(II) complexes bound to the bridging ligand dipyrido(2,3-*a*;2',3'-*h*)phenazine (dpop), 231

Hydrazide complexes
a novel tetranuclear copper(II) cluster containing twisted

hydrazide bridges. X-ray crystal structure and magnetic properties of tetrakis[*N,N'*-imidopicolinyloxamylhydrazine)copper(II)] tetranitrate octahydrate, 37
Hydrogen-bonded complexes
spectroscopic and magnetic properties, and crystal structure of a dimer copper(II) complex via hydrogen bonding with a weak ferromagnetic interaction, 111
Hydrogen bonding complexes
intramolecular –C–H···O– hydrogen bonding in Group 6 metal carbonyl complexes, 1

Iridium complexes
tuning the spectroscopic and electrochemical properties of polypyridyl bridged mixed-metal trimetallic ruthenium(II), iridium(III) complexes: a spectroelectrochemical study, 179
Iron complexes
nitrosyl iron(II) complexes of porphyrins substituted with highly electron-withdrawing CF_3 groups: electronic absorption, MCD and EPR spectral study, 9
role of ionic strength in the binuclear complex formation between aquopentacyanoferrate(II) and tetraammine-pyrazinecarboxylatocobalt(III) ions, 213

Kinetics and mechanism
effect of hydrophobic and hydrophilic interactions on the stability of diastereoisomers of Δ- and Λ-[Ru(*S*-am)(bpy)$_2$]$^+$ complexes (am = Ala, Phg, Leu, Phe or Tyr ligand) in aqueous solutions, 201
role of ionic strength in the binuclear complex formation between aquopentacyanoferrate(II) and tetraammine-pyrazinecarboxylatocobalt(III) ions, 213
kinetics of the reaction of cyanide with ruthenium phthalocyanine complexes, 239

Magnetism
spectroscopic and magnetic properties, and crystal structure of a dimer copper(II) complex via hydrogen bonding with a weak ferromagnetic interaction, 111
Manganese complexes
π-arene complexes
IX. Crystal structure of a novel benzoyl bridged heterobimetallic complex, [*cis*-(CO)$_4${(MeO)$_3$P}Mn{μ-η^1:η^6-C$_6$H$_5$C(O)}Cr(CO)$_3$], 207
Mass spectrometry
an electrospray mass spectrometric study of some mercury phosphine complexes, 173
Mercury complexes
an electrospray mass spectrometric study of some mercury phosphine complexes, 173
Metal complexes
intramolecular –C–H···O– hydrogen bonding in Group 6 metal carbonyl complexes, 1
Molybdenum complexes
multinuclear NMR studies of some oxomolybdenum(VI) complexes with polyaminocarboxylates, 123

Nickel complexes
structure of a trinuclear nickel(II) complex bridged by 3,5-dimethylpyrazolate (3,5-Me$_2$pz), [Ni$_3$(3,5-Me$_2$pz)$_4$(acac)$_2$], 243
Nitrite reductase
novel spectroscopic aspects of Type I copper in *Hyphomicrobium* nitrite reductase, 107
Nitrosyl complexes
nitrosyl iron(II) complexes of porphyrins substituted with highly electron-withdrawing CF_3 groups: electronic absorption, MCD and EPR spectral study, 9
NMR study
multinuclear NMR studies of some oxomolybdenum(VI) complexes with polyaminocarboxylates, 123
Nucleobase complexes
a mixed Pt_2Tl complex of 1-methylthymine: structural evidence for the stereoactivity of the Tl^I electron lone pair and unexpected intracomplex nucleobase stacking, 219
Nucleoside complexes
interaction of [(dien)PtBr]Br with 6-oxopurine nucleosides, 91

Oligomerisation
the oligomerisation of 3-hydroxy-1-alkynes with palladium(II) diketonates and phosphorus ligands as the catalytic system , 159
Oxo complexes
multinuclear NMR studies of some oxomolybdenum(VI) complexes with polyaminocarboxylates, 123

Palladium complexes
formation of β-carbonylmethylpalladium(II) complexes and alkenones directly from ketones via C–H bond activation by the palladium(II) acetate–dialkyl sulfide system, 43
crystal structure of [Pd(η^3-2-propenyl)(dps)][Pd(η^3-2-propenyl)Cl$_2$]. NMR evidence of binuclear η^3-allyl palladium(II) species with bridging dps, 67
the oligomerisation of 3-hydroxy-1-alkynes with palladium(II) diketonates and phosphorus ligands as the catalytic system, 159
synthesis and characterization of MCl(CH$_2$COY)(PPh$_3$)$_2$ (M = Pd, Pt; Y = C$_6$H$_5$, CH$_3$, CH$_2$Cl), 225
Phosphate complexes
structural characterization of silicon orthophosphate, 23
Phosphine complexes
an electrospray mass spectrometric study of some mercury phosphine complexes, 173
Phosphine compounds
a convenient synthesis of carbamoylmethylphosphines. X-ray structure of (diphenylphosphino)-*N,N*-diphenylacetamide, 5
Photochemistry
metal to ligand charge transfer photochemistry of Re(I)–alkyl complexes, 103
effect of hydrophobic and hydrophilic interactions on the stability of diastereoisomers of Δ- and Λ-[Ru(*S*-am)(bpy)$_2$]$^+$ complexes (am = Ala, Phg, Leu, Phe or Tyr ligand) in aqueous solutions, 201
Phthalocyanine complexes
kinetics of the reaction of cyanide with ruthenium phthalocyanine complexes, 239
Platinum complexes
platinum(II) complexes of *N,N'*-di-^{n}butyldithiooxamide showing a peculiar $^+$N–H···Cl$^-$ interaction. The crystal and molecular structure of bis-di-^{n}butyldithiooxamidato-platinum(II), 59
properties of electronic spectra of antitumor-active dichlorobis(cycloalkylamine)platinum(II) compounds, 77
interaction of [(dien)PtBr]Br with 6-oxopurine nucleosides, 91

facile platinum(II) promoted amide deprotonation and subsequent cyclization. Comments on a possible L_mPt---H–NH(CO)R agostic moiety, 119
a mixed Pt_2Tl complex of 1-methylthymine: structural evidence for the stereoactivity of the Tl^I electron lone pair and unexpected intracomplex nucleobase stacking, 219
synthesis and characterization of $MCl(CH_2COY)(PPh_3)_2$ (M = Pd, Pt; Y = C_6H_5, CH_3, CH_2Cl), 225

Polydentate ligand complexes
the effect of the nature of the polypyridyl ligand on the physical properties of ruthenium polypyridyl compounds containing pyridyltriazoles, 49
multinuclear NMR studies of some oxomolybdenum(VI) complexes with polyaminocarboxylates, 123
tuning the spectroscopic and electrochemical properties of polypyridyl bridged mixed-metal trimetallic ruthenium(II), iridium(III) complexes: a spectroelectrochemical study, 179

Polynuclear complexes
structural and spectroscopic features of the 'adamantane' type Cu_4S_6 core found in Cu(I) thiolates with bidentate chelate ligands, 135
di- and trinuclear (η^6-arene)ruthenium(II) complexes containing bridging heterocyclic thioamides, 145

Porphyrin complexes
nitrosyl iron(II) complexes of porphyrins substituted with highly electron-withdrawing CF_3 groups: electronic absorption, MCD and EPR spectral study, 9

Rhenium complexes
metal to ligand charge transfer photochemistry of Re(I)–alkyl complexes, 103

Ruthenium complexes
the effect of the nature of the polypyridyl ligand on the physical properties of ruthenium polypyridyl compounds containing pyridyltriazoles, 49
di- and trinuclear (η^6-arene)ruthenium(II) complexes containing bridging heterocyclic thioamides, 145
tuning the spectroscopic and electrochemical properties of polypyridyl bridged mixed-metal trimetallic ruthenium(II), iridium(III) complexes: a spectroelectrochemical study, 179
ruthenium(II) and (III) complexes of triphenylstibine: a reinvestigation and the X-ray structure of *trans*-$RuCl_2(SbPh_3)_4$, 189
effect of hydrophobic and hydrophilic interactions on the stability of diastereoisomers of Δ- and Λ-[Ru(*S*-am)(bpy)$_2$]$^+$ complexes (am = Ala, Phg, Leu, Phe or Tyr ligand) in aqueous solutions, 201
synthesis and characterization of bipyridylruthenium(II) complexes bound to the bridging ligand dipyrido(2,3-*a*;2′,3′-*h*)phenazine (dpop), 231
kinetics of the reaction of cyanide with ruthenium phthalocyanine complexes, 239

Selenium NMR
selenium-77 NMR of C_3Se_5–metal complexes ($C_3Se_5^{2-}$ = 1,3-diselenole-2-selone-4,5-diselenolate), 95

Selenole complexes
selenium-77 NMR of C_3Se_5–metal complexes ($C_3Se_5^{2-}$ = 1,3-diselenole-2-selone-4,5-diselenolate), 95

Selonalate complexes
selenium-77 NMR of C_3Se_5–metal complexes ($C_3Se_5^{2-}$ = 1,3-diselenole-2-selone-4,5-diselenolate), 95

Silicon complexes
structural characterization of silicon orthophosphate, 23

Stibine complexes
ruthenium(II) and (III) complexes of triphenylstibine: a reinvestigation and the X-ray structure of *trans*-$RuCl_2(SbPh_3)_4$, 189

Sulfur complexes
the first triangular $V_3S_7^{2+}$ complex. Synthesis and structure of $(Et_4N)[V_3S_7(Me_2dtc)_3]\cdot CH_3CN$, 85

Technetium complexes
the reaction of $TcCl_3(Me_2PhP)_3$ with dithio ligands. Synthesis, characterization and X-ray crystal structures of $[TcCl_2(Me_2PhP)_2(Me_2dtp)]$ and $[Tc(Me_2PhP)(Etxan)_3]$ (Me_2PhP = dimethylphenylphosphine, Me_2dtp^- = *O*,*O*′-dimethyldithiophosphate, $Etxan^-$ = ethylxanthate), 195

Tetranuclear complexes
a novel tetranuclear copper(II) cluster containing twisted hydrazide bridges. X-ray crystal structure and magnetic properties of tetrakis[*N*,*N*′-imidopicolinyloxamylhydrazine)copper(II)] tetranitrate octahydrate, 37

Thallium complexes
a mixed Pt_2Tl complex of 1-methylthymine: structural evidence for the stereoactivity of the Tl^I electron lone pair and unexpected intracomplex nucleobase stacking, 219

Thiolate complexes
structural and spectroscopic features of the 'adamantane' type Cu_4S_6 core found in Cu(I) thiolates with bidentate chelate ligands, 135

Transition metal complexes
selenium-77 NMR of C_3Se_5–metal complexes ($C_3Se_5^{2-}$ = 1,3-diselenole-2-selone-4,5-diselenolate), 95

Trimetallic complexes
tuning the spectroscopic and electrochemical properties of polypyridyl bridged mixed-metal trimetallic ruthenium(II), iridium(III) complexes: a spectroelectrochemical study, 179

Trinuclear complexes
structure of a trinuclear nickel(II) complex bridged by 3,5-dimethylpyrazolate (3,5-Me_2pz), $[Ni_3(3,5\text{-}Me_2pz)_4(acac)_2]$, 243

Type I copper
novel spectroscopic aspects of Type I copper in *Hyphomicrobium* nitrite reductase, 107

Vanadium complexes
the first triangular $V_3S_7^{2+}$ complex. Synthesis and structure of $(Et_4N)[V_3S_7(Me_2dtc)_3]\cdot CH_3CN$, 85

Ylide complexes
ylide–gold(I) complexes of the types $[Au(ylide)L]^+$, [Au(ylide)(C≡CR)] and [Au(ylide){$Co(CO)_4$}], 31